

ATTORNEY DOCKET NO. 03234.0024U1
APPLICATION NO. 10/801,348

Form PTO 1449
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF INFORMATION CITED BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/801,348
Filing Date	03/16/2004
First Name Inventor	BROWN
Art Unit	1755
Examiner Name	Hailey, P.

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
PH	C1	US 5,767,036	06/16/1998	Freund <i>et al.</i>	502	185	5-8-96
	C2	US 5,316,990	05/31/1994	Cooper <i>et al.</i>	502	5	4-23-92
	C3	US 5,068,161	11/26/1991	Keck <i>et al.</i>	429	44	3-30-90
	C4	US 4,880,711	11/14/1989	Luczak <i>et al.</i>	429	40	10-19-88
PH	C5	US 4,081,409	03/28/1978	McNicol <i>et al.</i>	252	472	1-28-77

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
PH	C6	JP 8022827	01/23/1996	Toshiba Corporation (abstract)	Abst.
PH	C7	JP 3245850	11/01/1991	Hitachi Ltd. (abstract)	Abst.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
PH	C8	Löffler <i>et al.</i> , "Activity and Durability of Water-Gas Shift Catalysts Used for the Steam Reforming of Methanol," <i>Journal of Power Sources</i> , 114(1):15-20 (2003) <i>No month</i>
	C9	Morrison <i>et al.</i> , "Step-Reaction Polymerization," <i>Organic Chemistry</i> , Fifth Edition, Sec. 36.7:1249-1252 (1987) <i>No month</i>
PH	C10	Wei <i>et al.</i> , "Stabilization of Platinized Carbon Catalysts for PAFC," <i>Journal of Applied Electrochemistry</i> , 30:723-725 (2000) <i>No month</i>

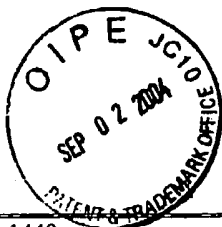
Examiner Signature:

P. Hailey

Date Considered

12/6/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



ATTORNEY DOCKET NO. 03234.0024U1
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SHEET 1 OF 2

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Application Number	10/801,348
Filing Date	March 16, 2004
First Named Inventor	BROWN
Group Art Unit	1755
Examiner Name	Hailey, P.

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
PLA	A1	US 6,592,938	07/15/2003	Pessey <i>et al.</i>	427	212	10-1-01
	A2	US 6,541,278	04/01/2003	Morita <i>et al.</i>	438	3	1-27-00
	A3	US 6,451,375	09/17/2002	Cotte <i>et al.</i>	427	58	1-5-01
	A4	US 6,132,491	10/17/2000	Wai <i>et al.</i>	75	722	8-20-98
	A5	US 5,939,334	08/17/1999	Nguyen <i>et al.</i>	438	689	5-22-97
	A6	US 5,789,027	08/04/1998	Watkins <i>et al.</i>	427	250	11-12-96
	A7	US 5,639,441	06/17/1997	Sievers <i>et al.</i>	424	9.3	4-8-94
	A8	US 5,606,724	02/25/1997	Wai <i>et al.</i>	423	3	11-3-95
	A9	US 5,356,538	10/18/1994	Wai <i>et al.</i>	210	634	10-21-91
	A10	US 4,970,093	11/13/1990	Sievers <i>et al.</i>	427	575	4-12-90
	A11	US 4,737,384	04/12/1988	Murthy <i>et al.</i>	427	369	11-1-85
	A12	US 4,734,227	03/29/1988	Smith	264	13	3-12-86
	A13	US 4,582,731	04/15/1986	Smith	427	427	9-1-83
	A14	US 4,552,786	11/12/1985	Berneburg <i>et al.</i>	427	249.15	10-9-84
PLA	A15	US 4,241,112	12/23/1980	Kostandov <i>et al.</i>	427	213	9-8-78

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PLA	A16	Blackburn <i>et al.</i> , "Reactive Deposition of Conformal Palladium Films from Supercritical Carbon Dioxide Solution," <i>Chemistry of Materials</i> , 12:2625-2631 (2000) Feb. 2000
	A17	Blackburn <i>et al.</i> , "Deposition of Conformal Copper and Nickel Films from Supercritical Carbon Dioxide," <i>Science</i> , 294:141-145 (2001) Oct. 2001
	A18	Cabanas <i>et al.</i> , "A Continuous and Clean One-Step Synthesis of Nano-Particulate Ce _{1-x} Zr _x O ₂ Solid Solutions in Near-Critical Water," <i>Chemical Communications</i> , 11:901-902 (2000) no month
	A19	Cansell <i>et al.</i> , "Supercritical Fluid Processing: A New Route for Material Synthesis," <i>Journal of Materials Chemistry</i> , 9:67-75 (1999) No month
PLA	A20	Johnston, "Safer Solutions for Chemists," <i>Nature</i> , 368:187-188 (1994) March 1994

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<i>PLA</i>	A21	Kaupp, "Reactions in Supercritical Carbon Dioxide," <i>Angewandte Chemie</i> , 33:1452-1455 (1994) <i>no month</i> <i>no</i>
	A22	Kordikowski <i>et al.</i> , "Resolution of Ephedrine in Supercritical CO ₂ : A Novel Technique for the Separation of Chiral Drugs," <i>J. Pharm. Sci.</i> , 88:786-791 (1999) <i>no month</i>
	A23	Long <i>et al.</i> , "Chemical Fluid Deposition: A Hybrid Technique for Low-Temperature Metallization," <i>Advanced Materials</i> , 12:913-915 (2000) <i>no month</i>
	A24	Park <i>et al.</i> , "Formation of Nylon Particles and Fibers Using Precipitation with a Compressed Antisolvent," <i>Industrial & Eng. Chem. Res.</i> , 41:1504-1510 (2002) <i>no month</i>
	A25	Shah <i>et al.</i> , "Steric Stabilization of Nanocrystals in Supercritical CO ₂ Using Fluorinated Ligands," <i>J. Am. Chem. Soc.</i> , 122:4245-4246 (2000) <i>April 2000</i>
	A26	Watkins <i>et al.</i> , "Chemical Fluid Deposition: Reactive Deposition of Platinum Metal from Carbon Dioxide Solution," <i>Chemistry of Materials</i> , 11:213-215 (1999) <i>January 1999</i>
	A27	Watkins <i>et al.</i> , "Polymer/Metal Nanocomposites in Supercritical CO ₂ ," <i>Chemistry of Materials</i> , 7:1991-1994 (1995) <i>NOV. 1995</i>
<i>PLA</i>	A28	Watkins <i>et al.</i> , "Polymerization of Styrene in Supercritical CO ₂ -Swollen Poly(chlorotrifluoroethylene)," <i>Macromolecules</i> , 28:4067-4074 (1995) <i>No month</i>

Examiner Signature: <i>D. Hiley</i>	Date Considered: <i>12/07/04</i>
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PHT	B1	US 6,572,227 B2	06/03/2003	Yamashita <i>et al.</i>	347	100	12-11-01
	B2	US 6,524,383 B2	02/25/2003	Komatsu <i>et al.</i>	106	493	10-19-01
	B3	US 6,494,946 B1	12/17/2002	Belmont <i>et al.</i>	106	472	2-25-99
	B4	US 6,478,987 B1	11/12/2002	Akita <i>et al.</i>	252	500	9-18-00
	B5	US 6,117,581	09/12/2000	Shelef	429	44	3-15-99
	B6	US 6,042,643	03/28/2000	Belmont <i>et al.</i>	106	472	6-26-98
	B7	US 5,993,996	11/30/1999	Firsich	429	231.8	9-16-97
	B8	US 5,976,233	11/02/1999	Osumi <i>et al.</i>	106	31.86	11-10-97
	B9	US 5,932,144	08/03/1999	Shimizu <i>et al.</i>	252	500	8-22-97
	B10	US 5,928,419	07/27/1999	Uemura <i>et al.</i>	106	493	10-6-97
	B11	US 5,900,029	05/04/1999	Belmont <i>et al.</i>	8	550	7-7-98
	B12	US 5,871,671	02/16/1999	Kinlen <i>et al.</i>	252	500	10-14-97
	B13	US 5,595,689	01/21/1997	Kulkarni <i>et al.</i>	252	500	7-21-94
	B14	US 5,548,060	08/20/1996	Allcock <i>et al.</i>	528	487	8-8-94
	B15	US 5,498,372	03/12/1996	Hedges	252	511	2-14-94
	B16	US 5,334,292	08/02/1994	Rajeshwar <i>et al.</i>	427	228	10-14-92
	B17	US 5,290,483	03/01/1994	Kulkarni <i>et al.</i>	252	500	6-22-93
	B18	US 5,250,163	10/05/1993	Epstein <i>et al.</i>	205	777.5	11-27-91
	B19	US 5,156,651	10/20/1992	Girardeau <i>et al.</i>	8	115.6	8-9-90
	B20	US 5,152,801	10/06/1992	Altermatt <i>et al.</i>	8	436	12-5-90
	B21	US 5,093,439	03/03/1992	Epstein <i>et al.</i>	525	540	5-25-90
	B22	US 4,237,323	12/02/1980	Aliev <i>et al.</i>	568	738	6-8-79
	B23	US 3,870,841	03/11/1975	Makowski <i>et al.</i>	524	132	10-2-72
	B24	US 3,853,933	12/10/1974	Siciliano	556	456	1-14-74
	B25	US 3,528,840	09/15/1970	Aboytes	106	473	11-15-67
	B26	US 3,519,452	07/07/1970	Rivin <i>et al.</i>	106	261	3-9-67
	B27	US 3,442,679	05/06/1969	Rivin <i>et al.</i>	106	473	6-27-66
	B28	US 3,279,935	10/18/1966	Daniell <i>et al.</i>	106	478	6-11-63
	B29	US 2003/0095914 A1	05/22/2003	Belmont <i>et al.</i>	423	449.2	5-3-02
	B30	US 2003/0079643 A1	05/01/2003	Tomioka <i>et al.</i>	106	31.27	5-6-02
	B31	US 2002/0088375 A1	07/11/2002	Komatsu <i>et al.</i>	106	472	6-28-01
	B32	US 2002/0020318 A1	02/21/2002	Galloway <i>et al.</i>	101	401.1	6-29-01
	B33	US 2002/0006982 A1	01/17/2002	Kurabayashi	523	161	4-1-99

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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
<i>PH</i>	B34	EP 0 466 261 A1	01/15/1992	Agfa-Gevaert	N/A
	B35	WO 03/100889 A1	12/04/2003	Columbian Chemicals Company	
	B36	WO 03/100884 A2	12/04/2003	Columbian Chemicals Company	
	B37	WO 03/100883 A2	12/04/2003	Columbian Chemicals Company	
	B38	WO 03/099946 A1	12/04/2003	Columbian Chemicals Company	
<i>PH</i>	B39	WO 01/015253 A1	03/01/2001	Medis El Ltd.	N/A

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Examiner Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
<i>PH</i>	B40	Chao <i>et al.</i> , "A Study of Polypyrrole Synthesized with Oxidative Transition Metal Ions," <i>Journal of Polymer Science, Part A: Polymer Chemistry</i> , 26:743-753 (1988) <i>no month</i>
	B41	Internet website for Sigma-Aldrich for Product No. 530565, "Polyaniline (emeraldine salt) - composite with carbon black," www.sigmaaldrich.com (4/6/04)
	B42	Internet website for Sigma-Aldrich for Product No. 530573, "Polypyrrole - composite with carbon black," www.sigmaaldrich.com (4/6/04)
	B43	Lefebvre <i>et al.</i> , "Electronically Conducting Proton Exchange Polymers as Catalyst Supports for Proton Exchange Membrane Fuel Cells," <i>Journal of Electrochemical Society</i> , 146(6):2054-2058 (1999) <i>no month</i>
	B44	Product Brochure entitled "Raven Blacks," published by Columbian Chemicals Company, Marietta, Georgia (10/99)
	B45	Tsubokawa, "Functionalization of Carbon Black by Surface Grafting of Polymers," <i>Prog. Polym. Sci.</i> , 17:417-470 (1992) <i>no month</i>
	B46	Wampler <i>et al.</i> , "Composites of Polypyrrole and Carbon Black: Part III. Chemical Synthesis and Characterization," <i>Journal of Materials Research</i> , 10(7):1811-1822 (1995) <i>no month</i>
<i>PH</i>	B47	Wei <i>et al.</i> , "Synthesis of Highly Sulfonated Polyaniline," <i>Synthetic Metals</i> , 74:123-125 (1995) <i>no month</i>
Examiner Signature: <i>PH</i>		Date Considered: 12-7-04
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